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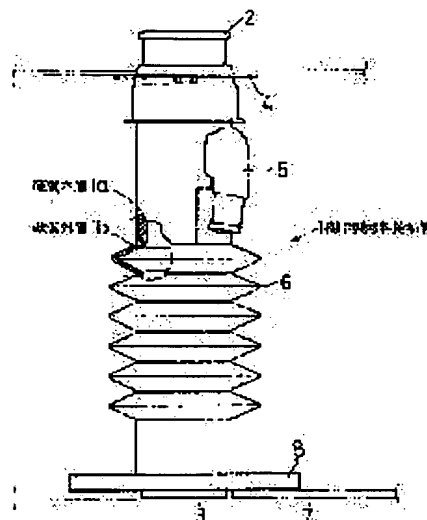
## (54) RESIN MADE FUEL FEEDING PIPE

## (57)Abstract:

**PURPOSE:** To obtain gasoline resistance and rigidity and to integrally form a fuel feeding pipe by making a hard inner layer coming in contact with fuel oil of an ultrahigh molecular weight polyethylene and a soft outer layer of an elastomer of polyamide or polyolefine having specified physical properties.

**CONSTITUTION:** The portion from a fuel feeding port 2 to a tank inlet 3 of a resin made fuel feeding pipe 1 is integrally formed and a flange 4 for fitting to a vehicle body, a fuel gas passage 5, bellows 6 for flexibility, a flange 8 for installation to a tank 7, and the like are formed successively on the way. These are made integrally by means of a multi-layer blow molding method. The hard inner layer 1a of the fuel feeding pipe 1 coming in contact with fuel oil is made of an ultrahigh molecular weight polyethylene of a molecular weight of approximately 1 million and the soft outer layer 1b is made of a polyamide elastomer or a polyolefin elastomer having physical properties of 200 to 1,000kg/cm<sup>2</sup>

bending elastic modulus, a melt flow rate of 210° C and 2160g, and 0.002 to 2g/10min of JIS K7210.



## LEGAL STATUS

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